

WHAT IS CLAIMED IS:

~~1. A fire assembly adapted to be installed into a floor-ceiling assembly, said fire assembly comprising:~~

5                   a recessed light fixture comprising a lamp capable of distributing light;

                  a housing substantially enclosing said recessed light fixture such that said housing and said recessed light fixture form an integral structure,  
10                   said housing comprising at least one generally fire-resistant material, wherein said fire assembly is configured to be positioned above a surface opening defined by said floor-ceiling assembly such that said housing is in substantial continuation with said  
15                   floor-ceiling assembly.

2. A fire assembly as defined in claim <sup>42</sup>(1), wherein <sup>said adjacent structure comprises a</sup> said floor-ceiling assembly has a fire rating, and wherein said housing is capable of substantially maintaining said fire rating after [installation]. <sup>said fire assembly is installed.</sup>

<sup>20</sup> 3. A fire assembly as defined in claim <sup>42</sup>(1), wherein said housing comprises a cube-shaped box, said cube-shaped box comprising a plurality of generally fire-resistant walls.

4. A fire assembly as defined in claim 3,  
25                   wherein said cube-shaped box further comprises a bottom wall, said bottom wall defining a bottom wall opening such that said bottom wall opening substantially corresponds to said surface opening when positioned thereabove.

30                   5. A fire assembly as defined in claim <sup>42</sup>(1), wherein said at least one generally fire resistant material is selected from the group consisting of dry

wall, plaster, and combinations thereof.

6. A fire assembly as defined in claim <sup>42</sup>(1) wherein said housing further comprises a support structure, said support structure comprising an aluminum housing.

7. A fire assembly as defined in claim 3, wherein at least one of said generally fire resistant walls comprises more than one layer.

8. A fire assembly as defined in claim 7, wherein at least one of said layers comprises aluminum.

9. A fire assembly as defined in claim 7, wherein at least one of said layers comprises dry wall.

10. A fire assembly as defined in claim <sup>42</sup>(1) further comprising a support structure, said support structure being connected to said housing and said recessed light fixture such that said housing, said recessed light fixture, and said support structure form said integral [structure] unit.

11. A fire assembly as defined in claim 10, wherein said support structure is mechanically affixed to said housing and said recessed light fixture.

12. A fire assembly as defined in claim <sup>42</sup>(1) further comprising a junction box, said junction box being placed in electrical communication with said lamp of said recessed lighting fixture.

13. A fire assembly as defined in claim 12, further comprising at least one conduit extending from said junction box, said at least one conduit being capable of electrically coupling said recessed light fixture to at least one other light fixture.

14. A fire assembly as defined in claim 13,  
 wherein said junction box is contained within said  
 housing, said at least one conduit extending from said  
 junction box through a hole defined by a wall of said  
 housing such that said at least one conduit is capable  
 of electrically coupling said recessed light fixture  
 to at least one other light fixture.

15. A fire assembly as defined in claim 4,  
 wherein said bottom wall comprises a portion extending  
 beyond the intersection of said bottom wall and one of  
 said plurality of side walls, said portion having an  
 upper and lower surface and wherein said junction box  
 is positioned on said upper surface of said portion.

16. A fire assembly as defined in claim 4,  
 wherein a gasket is positioned between said bottom  
 wall and said structural surface, said gasket  
 comprising a gasket opening corresponding to said  
 bottom wall opening and said surface opening.

17. A fire assembly as defined in claim 3,  
 wherein one of said plurality of generally fire-  
 resistant walls includes a door.

18. A fire assembly as defined in claim <sup>42</sup>17,  
 further comprising an attachment structure connected  
 to said fire assembly, said attachment structure being  
 configured to attach said fire assembly to said floor-  
 ceiling assembly.

19. A fire assembly as defined in claim 18,  
 wherein said attachment structure comprises a bar  
 hanger.

~~20. A fire assembly adapted to be installed into  
 a floor ceiling assembly, said fire assembly  
 comprising:~~

a recessed light fixture comprising a lamp capable of distributing light;

a generally fire-resistant housing substantially enclosing said recessed light fixture such that said generally fire-resistant housing and said recessed light fixture form an integral structure, said generally fire-resistant housing comprising a plurality of side walls and a top wall, said plurality of side walls and said top wall comprising at least one generally fire-resistant material, wherein said fire assembly is configured to be positioned above a surface opening defined by said floor-ceiling assembly such that said generally fire-resistant housing is in substantial continuation with said floor-ceiling assembly; and

a support structure positioned in between said recessed light fixture and said generally fire resistant housing.

21. A fire assembly as defined in claim <sup>52</sup>20, wherein said generally fire-resistant housing further comprises a bottom wall, said bottom wall defining a bottom wall opening such that said bottom wall opening substantially corresponds to said surface opening when positioned thereabove.

~~22. A fire assembly as defined in claim 20,~~  
wherein at least one of said plurality of side walls comprises a material selected from the group consisting of dry wall, plaster, and combinations thereof.

23. A fire assembly as defined in claim 20, wherein said support structure comprises an aluminum housing.

~~24. A fire assembly as defined in claim 20,~~  
wherein said at least one generally fire resistant  
material is selected from the group consisting of dry  
wall, plaster, and combinations thereof.

5        25. A fire assembly as defined in claim <sup>52</sup>(20),  
further comprising at least one conduit extending from  
a junction box through a hole defined by one of said  
walls of said fire-resistant housing, said at least  
one conduit being capable of electrically coupling  
10       said recessed light fixture to at least one other  
light fixture.

26. A fire assembly as defined in claim <sup>52</sup>(20)  
wherein one of said plurality of [side] walls includes a  
door.

15       ~~27. A fire assembly adapted to be installed into  
a floor-ceiling assembly, said fire assembly  
comprising:~~

~~a recessed light fixture comprising a lamp  
capable of distributing light;~~

20       ~~a support structure connected to said  
recessed light fixture; and~~

~~a generally fire-resistant housing  
substantially enclosing said recessed light fixture  
and connected to said support structure such that said  
25       generally fire-resistant housing, said support  
structure, and said recessed light fixture form an  
integral structure, said generally fire-resistant  
housing comprising a plurality of side walls, a top  
wall, and a bottom wall, said plurality of side walls  
30       and said top wall comprising at least one generally  
fire-resistant material, wherein said fire assembly is  
configured to be positioned above a surface opening~~

~~defined by said floor-ceiling assembly such that said~~  
generally fire-resistant housing is in substantial  
continuation with said floor-ceiling assembly, said  
bottom wall of said generally fire resistant housing  
5 defining a bottom wall opening such that said lamp of  
said recessed light fixture can distribute light  
through said bottom wall opening and said surface  
opening when positioned thereabove.

28. A fire assembly as defined in claim 27,  
10 wherein said at least one generally fire resistant  
material is selected from the group consisting of dry  
wall, plaster, and combinations thereof.

29. A fire assembly as defined in claim 27,  
wherein said bottom wall comprises a material selected  
15 from the group consisting of dry wall, plaster, and  
combinations thereof.

30. A fire assembly as defined in claim 27,  
wherein said support structure comprises on aluminum  
housing.

20 31. A fire assembly as defined in claim 27,  
wherein said support structure comprises a metal  
enclosure.

32. A fire assembly as defined in claim 27,  
wherein a gasket is positioned between said bottom  
25 wall and said structural surface, said gasket  
comprising a gasket opening corresponding to said  
bottom wall opening and said surface opening.

33. A fire assembly as defined in claim 27,  
wherein one of said plurality of side walls includes a  
30 door.

34. A fire assembly adapted to be installed into  
~~a floor-ceiling assembly, said fire assembly~~

comprising:

an enclosed housing made from a generally fire resistant material, said housing defining an opening, said housing having a shape configured to receive a recessed light fixture therein, said opening of said enclosed housing being configured to mate with a corresponding surface opening defined by a floor-ceiling assembly such that said housing is in substantial continuation with said floor-ceiling assembly and wherein, once said fire assembly is installed, said floor-ceiling assembly has a fire rating at least equal to the fire rating of an identical floor-ceiling assembly not containing the ~~fire assembly.~~

35. A fire assembly as defined in claim [34],  
wherein said ~~enclosed~~ housing is made from a material ~~(consisting)~~ the group consisting of drywall, plaster and combinations thereof.

36. A fire assembly as defined in claim [34],  
wherein said enclosed housing is in the shape of a box.

37. A fire assembly as defined in claim [34],  
wherein said enclosed housing has a cylindrical shape.

~~38. A fire assembly as defined in claim 34,  
further comprising a support structure connected to  
the interior surfaces of said enclosed housing.~~

39. A fire assembly as defined in claim 38,  
wherein said support structure comprises an aluminum housing.

40. A fire assembly as defined in claim [34],  
further comprising an attachment structure connected to said enclosed housing, said attachment structure

fire-  
resistant

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selected  
from

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being configured to attach said enclosed housing to said floor-ceiling assembly.

41. A fire assembly as defined in claim 40, wherein said attachment structure comprises a bar hanger.

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